

REMARKS

By the above amendments, applicant has amended claims 1 and 5-15, and has canceled claims 2-4 and 16-17 without prejudice. No new matter has been entered.

Double Patenting Rejections

Claims 1-17 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-3, 9-12, 17, and 18 of copending Application No. 10/812,566.

Applicant hereby obviates all the provisional double patenting rejections by submitting herewith a terminal disclaimer.

Claim Rejections Under 35 U.S.C. 102

Claims 1-4, 14, 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Park (US 5,949,511).

In response to this rejection, applicant has amended independent claim 1 to patentably distinguish it from the cited reference and to better express the claimed subject matter. Applicant respectfully submits that claim 1 is now patentable for the following reasons:

Amended claim 1 recites "[an] In Plane Switching liquid crystal display comprising: a first substrate, and a second substrate disposed oppositely the first substrate and spaced apart from the first substrate a predetermined distance; a

liquid crystal layer interposed between the first substrate and the second substrate; a plurality of common electrodes and pixel electrodes formed on the first substrate, parallel to each other; and a plurality of conductive spacers formed on the common electrodes and the pixel electrodes, and electrically connected to the common electrodes and the pixel electrodes; wherein each of the spacers comprises a spacer rib having a form of a parallelepiped and a conductive film provided on all surfaces of the spacer rib.”

Park discloses a first substrate and a second substrate disposed opposite each other and spaced apart from each other a predetermined distance. A liquid crystal layer is interposed between the first substrate and the second substrate. A plurality of common electrodes and pixel electrodes are formed on the second substrate parallel to each other, and a plurality of conductive spacers is formed on the common electrodes and the pixel electrodes. The conductive spacers are spherical.

The subject matter of amended claim 1 highlighted above is contained in paragraph [0018] of the specification as originally filed, and was recited in original claim 2. No new matter has been entered. Applicant submits that Park does not teach or suggest the IPS-LCD comprising a plurality of conductive spacers each of which “comprises a spacer rib having a form of a parallelepiped and a conductive film provided on all surfaces of the spacer rib,” as recited in amended claim 1. Moreover, the other references listed in the Notice of References Cited, whether considered alone or in combination with each other and/or Park, do not teach or suggest these conductive spacers either. (Please refer to the below assertions regarding each of Morii and Matsumoto and the conductive spacers.) Furthermore, the liquid crystal display as recited in amended claim 1 produces new and unexpected results. That is, the aperture ratio of the IPS-LCD

can be enhanced.

Accordingly, amended claim 1 is submitted to be both novel and unobvious over Park and the other references listed in the Notice of References Cited or any combination thereof. Reconsideration and withdrawal of the rejection of claim 1 are respectfully requested.

Claims 2-4 have been canceled without prejudice, and the rejections relating thereto are now moot.

Claims 14 and 15 both depend directly from amended claim 1. Therefore reconsideration and withdrawal of the rejections of claims 14 and 15 are respectfully requested.

Claim Rejections Under 35 U.S.C. 103

Claims 5, 6, 8, 10 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Park in view of Morii et al (US 6,141,078).

Applicant refers to and relies upon the above remarks regarding amended claim 1 and Park. Further, there is nothing in Morii that teaches or suggests to one of ordinary skill in the art that he or she might or should provide the IPS-LCD comprising the conductive spacers each of which **“comprises a spacer rib having a form of a parallelepiped and a conductive film provided on all surfaces of the spacer rib,”** as recited in amended claim 1. Therefore the combination of Park and Morii fails to teach or suggest the above-described IPS-LCD. That is, amended claim 1 is submitted to be unobvious and patentable over Park in view of Morii under 35 U.S.C. 103(a).

Claims 5, 6, 8, 10 and 13 all depend directly from amended claim 1. Therefore reconsideration and withdrawal of the rejections of claims 5, 6, 8, 10 and 13 are respectfully requested.

Claims 7, 9, 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Park in view of Matsumoto (US 6,657,699).

Applicant refers to and relies upon the above remarks regarding amended claim 1 and Park. Further, there is nothing in Matsumoto that teaches or suggests to one of ordinary skill in the art that he or she might or should provide the IPS-LCD comprising the conductive spacers each of which **“comprises a spacer rib having a form of a parallelepiped and a conductive film provided on all surfaces of the spacer rib,”** as recited in amended claim 1. Therefore the combination of Park and Matsumoto fails to teach or suggest the above-described IPS-LCD. That is, amended claim 1 is submitted to be unobvious and patentable over Park in view of Matsumoto under 35 U.S.C. 103(a).

Claims 7, 9, 11 and 12 depend directly and indirectly from amended claim 1. Therefore reconsideration and withdrawal of the rejections of claims 7, 9, 11 and 12 are respectfully requested.

Claims 16 and 17 are rejected under 35 U.S.C. 103(a) as being anticipated by Kim (US 5,338,240) in view of You et al (US 6,243,154).

Claims 16 and 17 have been canceled without prejudice, and the rejections relating thereto are now moot.

In view of the foregoing, the present application as claimed in the pending

claims is considered to be in a condition for allowance, and an action to such effect is earnestly solicited.

Respectfully submitted,

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